

MR3375-9

Serial Number: 10/629,700

Reply to Office Action dated 22 September 2004

**AMENDMENTS TO THE SPECIFICATION**

**Please replace the two consecutive paragraphs, numbered 31 and 32, with the following amended paragraphs:**

The first pre-amplifier 61 comprises two input terminals, a first input terminal being connected to the first contact 21 and through which to the inner plate 31 of the first pair of conductors 3, the second input terminal being connected to the ~~second~~ third contact ~~22~~ 23 and through which to the ~~outer~~ inner plate ~~32~~ 41 of the second pair of conductors 4. When the watch-typed heartbeat sensing device 100 is ~~touched by two hands~~ put on the wrist of the user, a first differential signal 61a is generated.

The second pre-amplifier 62 comprises two input terminals, a first input terminal being connected to the ~~third~~ second contact ~~23~~ 22 and through which to the ~~inner~~ plate ~~41~~ 32 of the first pair of conductors 3; a second input terminal being connected to the fourth contact 24 and through which to the outer plate 42 of the second pair of conductors 4. ~~Similarly, when~~ When the watch-typed heartbeat sensing device 100 is touched by ~~two hands~~ other hand of the user, a first differential signal 62a is generated.